9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LSM2 Human

LSM2 Homolog, U6 Small Nuclear RNA Associated Human Recombinant
RCP1271

Product Overview

Name	LSM2 Human
Description	
LSM2 Homolog, U6 Small Nuclear RNA Associated Human Recombinant	
Accession (Primary)	Q9Y333
Synonyms	
LSM2 homolog U6 small nuclear RNA associated (S. cerevisiae), Small nuclear ribonuclear protein D homolog, chromosome 6 open reading frame 28, snRNP core Sm-like protein Sm-x5, C6orf28, YBL026W, Protein G7b, snRNP.	
Introduction	
LSM2 is a member of the snRNP Sm proteins family. Sm-like proteins are branded in several organisms based on sequence homology with the Sm protein family. Sm-like proteins hold the Sm sequence motif that is made up of 2 regions separated by a linker of variable length which folds as a loop. The Sm-like proteins are believed to create a steady heteromer present in tri-snRNP particles, which are vital for pre-mRNA splicing. LSM2 binds specifically to the 3'-terminal U-tract of U6 snRNA nad takes part in pre-mRNA splicing.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The LSM2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM Nacl, 5mM DTT and 40% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MLFYSF FKSLVGKDVV VELKNDLSIC GTLHSVDQYL NIKLTDISVT DPEKYPHMLS VKNCFIRGSV VRYVQLPADE VDTQLLQDAA RKEALQQKQ	
Precautions	

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LSM2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y333)